Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.7				Attorr	ney Docket	Number	36856.1457		
Application Data Sheet 37 CFK 1.			CFK 1.7	Applic	Application Number				
Title of	Title of Invention PIEZOELECTRIC ELECTROACOUSTIC TRANSDUCER								
bibliogra This doo	phic data arrang cument may be	ged in a format sp	ecified by the onically and	United State submitted to	s Patent and	Trademark C	office as ou	mitted. The following form contains utlined in 37 CFR 1.76. g the Electronic Filing System (EF	
		r 37 CFR							
							-	ll under a Secrecy Order pu not be filed electronically.)	rsuant to
Appli	cant Info	rmation:							
Applic									
		ty • Inventor	OLegal F	Representat	ive under 3	5 U.S.C. 11	7	Party of Interest under 35 U.S	S.C. 118
Prefix	Given Nan			Middle N	ame		Family	y Name	Suffix
	Mitsunori						ISHIMA	NSA	
Resid	ence Inform	nation (Select	One)	US Resider	ncy 💿	Non US Re	sidency	Active US Military Service	æ
City	Toyama-shi		Со	untry Of R	lesidence i	JP			
Citizer	nship under	37 CFR 1.41(	( <b>b)</b> i JP						
Mailin	g Address c	of Applicant:	•						
Addre	ss 1	c/o Mura	ata Manufact	turing Co., L	.td.,				
	Address 2 10-1 Higashikotari 1-chome								
Addre	SS Z	10-1 Hig	jashikotari 1	-chome					
Addre	1	10-1 Hig kakyo-shi, Kyoto		-chome	St	tate/Provir	псе		
	Nagaok		-fu	-chome	St	.	псе		
City Postal Applic	Nagaok Code	kakyo-shi, Kyoto 617-855	-fu 5		Country	<b>y</b> i JP			
City Postal Applic	Nagaok Code	kakyo-shi, Kyoto	-fu 5	-chome Representat	Country	<b>y</b> i JP		Party of Interest under 35 U.S	S.C. 118
City Postal Applic	Nagaok Code	ty Inventor	-fu 5		Country	<b>y</b> i JP	7	Party of Interest under 35 U.S	6.C. 118 Suffix
City Postal Applic	Nagaok Code ant 2 ant Authori	ty Inventor	-fu 5	Representat	Country	<b>y</b> i JP	7	<u> </u>	
City Postal Applic Applic Prefix	Nagaok Code ant 2 ant Authori Given Nan Keiichi	ty Inventor	-fu 5 Legal F	Representat	Country ive under 3	<b>y</b> i JP	7   C	<u> </u>	Suffix
City Postal Applic Applic Prefix	Nagaok Code ant 2 ant Authori Given Nan Keiichi	ty Inventor	Legal F	Representat <b>Middle N</b>	Country ive under 3 ame	yi JP 5 U.S.C. 11 Non US Re	7   C	y Name	Suffix
City Postal Applic Applic Prefix Resid City	Nagaok code cant 2 cant Authori Given Nan Keiichi ence Inform	ty Inventor	Cone) Co	Representat <b>Middle N</b> US Resider	Country ive under 3 ame	yi JP 5 U.S.C. 11 Non US Re	7   C	y Name	Suffix
City Postal Applic Applic Prefix Resid City Citizer	Nagaok  Code  ant 2  ant Authori  Given Nan  Keiichi  ence Inform  Toyama-shi  nship under	ty Inventor ne	Cone) Co	Representat <b>Middle N</b> US Resider	Country ive under 3 ame	yi JP 5 U.S.C. 11 Non US Re	7   C	y Name	Suffix
City Postal Applic Applic Prefix Resid City Citizer	Nagaok  Code  ant 2  ant Authori  Given Nan  Keiichi  ence Inform  Toyama-shi nship under  g Address o	ty Inventor ne nation (Select	Cone) Co	Representat  Middle N  US Resider  untry Of R	Country ive under 3 ame	yi JP 5 U.S.C. 11 Non US Re	7   C	y Name	Suffix
City Postal Applic Applic Prefix Resid City Citizer Mailing	Nagaok Code ant 2 ant Authori Given Nan Keiichi ence Inform Toyama-shi nship under g Address o	ty Inventor ne ation (Select 37 CFR 1.41) of Applicant:	Cone) Co	Representat  Middle N  US Resider  untry Of R	Country ive under 3 ame	yi JP 5 U.S.C. 11 Non US Re	7   C	y Name	Suffix
City Postal Applic Applic Prefix Resid City Citizer Mailing	Nagaok Code sant 2 sant Authori Given Nan Keiichi ence Inform Toyama-shi nship under g Address o	ty Inventor ne ation (Select 37 CFR 1.41) of Applicant:	Cone) Co (b) i JP	Representat  Middle N  US Resider  untry Of R	Country ive under 3 ame acy esidence	yi JP 5 U.S.C. 11 Non US Re	7 Family KAMI sidency	y Name	Suffix
City Postal Applic Applic Prefix Resid City Citizer Mailing Addres	Nagaok Code ant 2 ant Authori Given Nan Keiichi ence Inform Toyama-shi nship under g Address o ss 1 ss 2 Nagaok	ty Inventor ne ation (Select 37 CFR 1.41( of Applicant: c/o Mura	Cone) Contact Manufact gashikotari 1-	Representat  Middle N  US Resider  untry Of R	Country ive under 3 ame acy esidence	yi JP  5 U.S.C. 11  Non US Re  JP	7 Family KAMI sidency	y Name	Suffix
City Postal Applic Applic Prefix  Resid City Citizer Mailing Addres City Postal All Inv	Nagaok Code ant 2 ant Authori Given Nan Keiichi ence Inform Toyama-shi nship under g Address o ss 1 ss 2  Nagaok Code entors Musi	ty Inventor ne  ation (Select of Applicant: c/o Mura 10-1 Hig	Cone) Conestant Manufact gashikotari 1-fu	Representate Middle N  US Resider untry Of R  turing Co., L -chome	country ive under 3 ame acy esidence  td.,  St  Country Informatio	yi JP  5 U.S.C. 11  Non US Re  JP	7 Family KAMI sidency	Name Active US Military Service	Suffix
City Postal Applic Applic Prefix  Resid City Citizer Mailing Addres City Postal All Inv	Nagaok Code  ant 2  ant Authori Given Nan Keiichi ence Inform Toyama-shi nship under g Address o ss 1 ss 2  Nagaok Code entors Musicited within the	ty Inventor ne  ation (Select of Applicant: c/o Mura 10-1 Hig takyo-shi, Kyoto 617-855 t Be Listed -	Come) Complete Manufact gashikotari 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Representate Middle N  US Resider untry Of R  turing Co., L -chome	country ive under 3 ame acy esidence  td.,  St  Country Informatio	yi JP  5 U.S.C. 11  Non US Re  JP	7 Family KAMI sidency	Name  Active US Military Service	Suffix
City Postal Applic Applic Prefix Resid City Citizer Mailing Addres City Postal All Inv genera Corre Enter of	Nagaok Code  ant 2  ant Authori Given Nan Keiichi ence Inform Toyama-shi nship under g Address o ss 1 ss 2  Nagaok Code entors Must ated within the	ty Inventor ne  ation (Select 237 CFR 1.41( of Applicant:	Cone) Co Co Cb) i JP  ata Manufact gashikotari 1  -fu  5  Additiona ecting the A  nation: or comple	Representat  Middle N  US Resider  untry Of R  turing Co., L -chome  I Inventor Add button	Country ive under 3 ame acy esidencei	yi JP  5 U.S.C. 11  Non US Re  JP  tate/Provin yi JP  on blocks	Family KAMI sidency	Name  Active US Military Service	Suffix

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Shoot 37 CER 1 76			Attorney Docket Number	36856.1457	
Application Data Sheet 37 CFR 1.76		Application Number			
Title of Invention PIEZOELECTRIC ELECTRO		ACOUSTIC TRANSDUCER			
Customer Number 54066					
Email Address uspto@kbiplaw.com			Add Email	Remove Email	

### **Application Information:**

Title of the Invention	PIEZOELECTRIC ELECTROACOUSTIC TRANSDUCER				
Attorney Docket Number 36856.1457		Small Entity Status Claimed		s Claimed	
Application Type	Nonprovisional				
Subject Matter	Utility				
Suggested Class (if any)	310		Sub Class (if any) 324		
Suggested Technology C	enter (if any)	2800			
Total Number of Drawing	Sheets (if any)	10	Suggested Figure	for Publication (if any)	1
Publication Information:			•		
Request Early Publica	Request Early Publication (Fee required at time of Request 37 CFR 1.219)				
and certify that the inv	ention disclosed in	n the attached app	lication has not been	blished under 35 U.S.C. 1 and will not be the subject res publication at eighteer	t of an

### Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.

Please Select One:

Oustomer Number

US Patent Practitioner

US Representative (37 CFR 11.9)

Customer Number

### **Domestic Priority Information:**

This section allows for the applicant to claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c). Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a) (4), and need not otherwise be made part of the specification.

Prior Application Status	Pending		Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)			
	a 371 of international	PCT/JP2004/015476	2004-10-20			
Additional Domestic Priority Data may be generated within this form by selecting						

Additional Domestic Priority Data may be generated within this form by selecting the **Add** button.

# Foreign Priority Information:

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Da	sta Shoot 27 CED 1 76	Attorney Docket Number	36856.1457	
Application Data Sheet 37 CFR 1.76		Application Number		
Title of Invention PIEZOELECTRIC ELECTRO		ACOUSTIC TRANSDUCER		
This could be also be also be a first book of forcing and also design and forcing and beautiful forcing and be				

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

	,	Re	emove			
Application Number	Country i	Parent Filing Date (YYYY-MM-DD)	Priority Claimed			
2003-429670	JP	2003-12-25	Yes   No			
Additional Foreign Priority Data may be generated within this form by selecting the <b>Add</b> button.						

## **Assignee Information:**

	in the application data sheet does not signment recorded in the Office.	substitute for compliance w	vith any requirement of part 3 of Title 37
Assignee 1			
If the Assignee is an Or	rganization check here.		
Organization Name	Murata Manufacturing Co., Ltd.		
Mailing Address Infor	mation:		
Address 1	10-1 Higashikotari 1-chome		
Address 2			
City	Nagaokakyo-shi, Kyoto-fu	State/Province	
Country i JP		Postal Code	617-8555
Phone Number		Fax Number	
Email Address			
Additional Assignee Dabutton.	ata may be generated within this t	form by selecting the Ac	ld

## Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.						
Signature	Signature /Joseph R. Keating #37,368/			Date (YYYY-MM-DD)	2006-06-22	
First Name	First Name Joseph Last Name Keating		Registration Number	37368		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.** 

#### **Privacy Act Statement**

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.